



Department of Commerce

Safety & Buildings Division

201 West Washington Avenue

P.O. Box 2658

Madison, WI 53701-2658

Evaluation #

200224-I (Replaces 960076-I)

Wisconsin Building Products Evaluation

Material

Foamular® Thermapink
Extruded Polystyrene Roof Insulation

Manufacturer

Owens Corning
Specialty & Foam Products
275 Southwest Avenue
Tallmadge, OH 44278

SCOPE OF EVALUATION

GENERAL: This report evaluates the use of Foamular® Thermapink 18, 25, and 40 extruded polystyrene roof insulation, manufactured by Owens Corning Specialty & Foam Products.

The extruded polystyrene roof insulation can be installed as a component of a Class A, B or C roof covering installed on steel decks without a thermal barrier when installed in accordance with this evaluation.

The **Comm** requirements below are in accordance with the current Wisconsin Administrative Building and Heating, Ventilating and Air Conditioning Code:

- **Foam Plastic Material:** The Foamular® Thermapink 18, 25, and 40 extruded polystyrene roof insulation was evaluated under the foam plastic requirements in accordance with **s. Comm 51.06(1) and (2), s. Comm 51.06(3), and s. Comm 51.06(4)(e)3.**



The **IBC** requirements below are in accordance with of the Wisconsin Amended ICC 2000 Code (**effective 7/1/02**):

- **Foam Plastic Material:** The Foamular® Thermapink 18, 25, and 40 extruded polystyrene roof insulation was evaluated under the foam plastic requirements in accordance with **ss. IBC 2603.1, 2603.2, 2603.3, and Exception 3., 2603.4.1.5, 2603.5.6 and s. 2603.7.**



DESCRIPTION AND USE

General: The Foamular® Thermapink 18, 25, and 40 extruded polystyrene roof insulation is produced in varying thickness, density, board size, and edge profile. The boards are manufactured from ½- to 4-inch thickness and densities ranging from 1.3 to 3.3 lb./ft³. See Table 1 below.

Table 1 – Physical Characteristics

Board Type	Thickness Inches	Width x Length Inches
Foamular® Thermapink 18 Foamular® Thermapink 25 Foamular® Thermapink 40	1 to 3	24 x 96

The boards are intended for use as thermal insulation for roofing applications. The boards are installed in single or multiple layers to a maximum thickness described in this evaluation.

Application Directly to Steel Roof Deck without a Thermal Barrier:

General: A thermal barrier shall not be required for roof assemblies where Foamular® Thermapink 18, 25, and 40 is installed in layers up to a maximum overall thickness of 10 inches and where the roof assembly is constructed in accordance with Underwriter's Laboratories, Inc. Roof Deck Construction No. 457. See Figure 1 in TESTS AND RESULTS section of this evaluation.

TESTS AND RESULTS

The tests and results listed below cover both the current WI Building Code **Comm** and future **IBC** requirements.

The Foamular® Thermapink 18, 25, and 40 extruded polystyrene roof insulation was tested in accordance with Underwriter's Laboratories, Inc. Small Scale Fire Test Procedure based upon UL 1256. Its satisfactory performance resulted in the listing of the product for use in UL Construction No. 457. Test data is on file with the department.

Figure 1

LIMITATIONS OF APPROVAL

Building Code Applicable to Projects Submitted for Review Prior to July 1, 2002: The **Comm** limitations below are in accordance with the current **Wisconsin Building and Heating, Ventilating and Air Conditioning Code**:

Foam Plastic Material: The Foamular® Thermapink 18, 25, and 40 extruded polystyrene roof insulation is allowed for use without a thermal barrier when installed in accordance with UL Roof Deck Construction No. 457, as detailed in the TESTS AND RESULTS section of this evaluation.

The Foamular® Thermapink extruded polystyrene roof insulation is intended for use as a rigid foam plastic substrate for loose-laid ballast, mechanically fastened or fully adhered singly-ply EPDM (ethylene propylene diene monomer), TPO (thermoplastic olefin) or PVC (polyvinyl Chloride) roof coverings without the installation of a thermal barrier.

The Foamular® Thermapink 18, 25, and 40 extruded polystyrene roof insulation shall be installed to the maximum thickness as detailed in UL Roof Deck Construction No. 457.



The **IBC** limitations below are in accordance with the **Wisconsin Amended IBC 2000 Code (effective 7/01/02)**:

Foam Plastic Material: The Foamular® Thermapink 18, 25, and 40 extruded polystyrene roof insulation is allowed for use without a thermal barrier when installed in accordance with UL Roof Deck Construction No. 457, as detailed in the TESTS AND RESULTS section of this evaluation.

The Foamular® Thermapink extruded polystyrene roof insulation is intended for use as a rigid foam plastic substrate for loose-laid ballast, mechanically fastened or fully adhered singly-ply EPDM (ethylene propylene diene monomer), TPO (thermoplastic olefin) or PVC (polyvinyl Chloride) roof coverings without the installation of a thermal barrier.

The Foamular® Thermapink 18, 25, and 40 extruded polystyrene roof insulation shall be installed to the maximum thickness as detailed in UL Roof Deck Construction No. 457.



This approval will be valid through December 31, 2007, unless manufacturing modifications are made to the product or a re-examination is deemed necessary by the department. The Wisconsin Building Product Evaluation number must be provided when plans that include this product are submitted for review.

DISCLAIMER

The department is in no way endorsing or advertising this product. This approval addresses only the specified applications for the product and does not waive any code requirement not specified in this document.

Revision Date:

Approval Date: May 31, 2002

By: _____

Lee E. Finley, Jr.
Product & Material Review
Integrated Services Bureau

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